

COMBUSTION

Unit ID#:	Stack ID#:
Segment ID#:	SCC #:

1. Type of heating unit:

2. Heat input rate (million Btu/hour)

3. Combustion Process:

Pulverized - Dry Bottom		Spreader Stoker	
Pulverized - Wet Bottom		Traveling Grate	
Pulverized - Tangential		Fluidized	
Cyclone		Natural Gas	

Fill out for each **fuel** and check not applicable if not used.

4. Fueled by coal:							Not Applicable:		
Anthracite		Bituminous		Subbituminous		Lignite		Coke	
State of Origin	% Ash	% Sulfur	% Moisture (average)	Heating Btu/lb	Dry?	Moist?			

5. Residual Oil:				Not Applicable		
Grade of residual oil used: No.5, No.6	% Sulfur	Heating Value Btu/gal	Firing: Normal or Tangential			

6. Distillate Fuel:				Not Applicable		
Grade of Distillate fuel used: No.1, No.2, No.4	% Sulfur	Heating Value Btu/gal	Firing: Normal or Tangential (No. 4 only)			

7. Natural gas:			Not Applicable		
Firing:	Normal		Tangential		

8. Process gas or landfill gas:			Not Applicable		
Type of gas	% Sulfur	Heating Value Btu/ft ³			

9. Liquified petroleum gas:			Not Applicable		
% Butane	% Propane	% Sulfur			

10. Waste oil:						Not Applicable		
% of heat provide by waste oil	Heating Value Btu/gal	% Ash	% Sulfur	% Chlorine	% Lead			

11. Wood, wood waste, and/or Bark:					Not Applicable		
Wood or Wood Waste	Bark only	Wood and Bark	% Moisture	Heating Value Btu/ton			

12. Liquid waste:						Not Applicable		
% of heat provided by liquid waste	Heating Value Btu/gal	% Sulfur	% Chlorine	% Fluorine	Special or Hazardous waste			

13. Tires or tire derived fuel (TDF):								Not Applicable		
Whole tires	Tire derived fuel	Heating Value Btu/lb	% heat supplied by tires/TDF	% Sulfur	% Chromium	% Chlorine	Type of combustion			

14. Solid waste:			Not Applicable
% heat supplied by combustion of solid waste	Heating value of waste Btu/lb	Type of combustor	Special or Hazardous Waste

15. Emission controls:			Not Applicable
A. Particulate Matter (check all applicable)			
None	Baghouse	Wet Scrubber	Electrostatic Precipitator
	Other(specify)		

B. SO ₂ (check all applicable)	
None	
Scrubber (specify type)	
Other (specify)	

C. NO _x (check all applicable)			
None	Low NO _x Burners	Selective Catalytic reduction	Selective non-catalytic reduction
	Other (specify)		

D. Acid Gas (check all applicable)	
None	
Packed Tower	
Scrubber (specify type)	
Other (specify)	

16. For combustion units are boilers, fill out this section:

Date of installation	
Are any previously installed boilers present (Yes or No)	

If yes, complete:

Identification	Heat Input Capacity	Date Installed	Permit # and/or Registration #

Indicate any acceptable fuel consumption limitations	
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Stack Data should be indicated on FORM GSD-04, STACK/VENT INFORMATION
Provide additional sheets if necessary, label each sheet as FORM PI-02 and include unit identification number

17. Potential to Emit:

Pollutant	Maximum rate (units/hr)	Emission Factor (lb/units)	Emission Rate (lb/hr)	Maximum Uncontrolled Emissions (tons/yr)	Pollution Control Efficiency (%)	Maximum Controlled Emissions (tons/yr)
PM						
PM10						
SO ₂						
NOx						
VOC						
CO						
Lead						

18. Source of Emission Factors:	
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